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- Derwent Title: **Stable aq. alkyl tri:alkoxy-silane hydrolysate soln. - used for water-impermeabilising inorganic oxide esp. building material and foamed PVA**
- Original Title:  [EP0049365A2](#): Stable aqueous impregnating solutions made from hydrolysed alkyltrialkoxysilanes
- Assignee: **DYNAMIT NOBEL AG Standard company**  
Other publications from [DYNAMIT NOBEL AG \(DYN\)](#)...
- Inventor: **SCHMIDT W;**
- Accession/Update: **1982-31268E / 198216**
- IPC Code: **B05D 5/00 ; C04B 41/28 ; C07F 7/18 ; C08J 9/40 ; C09K 3/18 ; C10M 3/44 ;**
- Derwent Classes: **A82; E11; L02; P42;**
- Manual Codes: **A01-A03(Silicon containing monomers, condensants) , E05-E02((Cyclo)aliphatic compound with Si-C bond [general]) , L02-D14(Concrete additives and coatings)**
- Derwent Abstract: [\(EP0049365A\)](#) New stable aq. alkyl-silanol solns. contain 0.5-45 (2-40) wt.% alkyl-trialkoxysilane hydrolysates having formula CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>-Si(OH)<sub>n</sub>(OR')<sub>3-n</sub> (I) (where R' is 1-4C alkyl and n is 1-3) and pref. have pH 2-7. (I) are prep'd. by mixing alkyl-trialkoxysilanes with water at pH 1-7 (2-3.5) at room temp. Heating is not required, since silanol- formation is exothermal. Soln. use for the water-repellent impregnation of inorganic oxide-, esp. building material and for camouflage impregnation is claimed.

Family:	PDF	Patent	Pub. Date	Derwent	Update	Pages	Language	IPC Code
	<input checked="" type="checkbox"/>	<a href="#">EP0049365A</a>	* 1982-04-14	198216		13	German	C04B 41/28
Des. States: (R) AT BE CH DE FR GB IT LI LU NL SE								
Local appls.: <a href="#">EP1981000106892</a> Filed:1981-09-03 (81EP-0106892)								
<hr/>								
	<input checked="" type="checkbox"/>	<a href="#">US4708743</a>	= 1987-11-24	198749		4	English	C09K 3/18
Local appls.: <hr/>								
	<input checked="" type="checkbox"/>	<a href="#">DE3173444G</a>	= 1986-02-20	198609			German	C04B 41/49
Local appls.: <hr/>								
		<a href="#">EP0049365B</a>	= 1986-01-08	198603			German	C04B 41/28
Des. States: (R) AT BE CH DE FR GB IT LI LU NL SE								
Local appls.: <hr/>								
	<input checked="" type="checkbox"/>	<a href="#">CA1196653A</a>	= 1985-11-12	198550			English	C07F 7/18
Local appls.: <hr/>								

<input checked="" type="checkbox"/> US4517375 =	1985-05-14	198522	4	English	C07F 7/08
Local appls.: US1986000846496 Filed:1986-03-26 (86US-0846496)					
<input checked="" type="checkbox"/> US4352894 =	1982-10-05	198242	4	English	C08J 9/40
Local appls.: US1982000375941 Filed:1982-05-07 (82US-0375941)					
<input checked="" type="checkbox"/> JP57126878A =	1982-08-06	198237		English	C04B 41/22
Local appls.:					
<input checked="" type="checkbox"/> DE3037220A =	1982-04-29	198218		German	B05D 5/00
Local appls.:					

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Legal Status:

Priority Number:

Application Number	Filed	Original Title
DE1980003037220	1980-10-02	STABILE WAESSRIGE IMPRAENIERLOESUNGEN AUS HYDROLIERTEN ALKYLTRIALKOXISILANAN

Chemical Indexing Codes: [Show chemical indexing codes](#)

Polymer Multipunch Codes: [Show polymer multipunch codes](#)

Title Terms: STABILISED AQUEOUS ALKYL TRI ALKOXY SILANE HYDROLYSATE  
SOLUTION-WATER IMPERMEABLE INORGANIC OXIDE BUILD MATERIAL  
FOAM PVA

Index Terms: POLYVINYL ALCOHOL

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